

WHAT IS CLAIMED IS:

1. An apparatus, comprising:
a blob identifier that identifies one or more blobs in image data;
a blob mapper that assigns a color index to each of one or more blobs based on a color property of each of the blobs; and
a blob clusterer that assigns the blobs to one or more foreground planes based on the color index of each of the blobs.
2. The apparatus of claim 1, wherein
the blob clusterer separates blobs having a same color index into one or more proximity groups based on a predetermined blob separation distance, and then assigns each of the proximity groups to a separate foreground plane, a size of each of the foreground planes being set based on spatial characteristics of pixels of blobs assigned to each of the foreground planes.
3. The apparatus of claim 1, wherein the blob clusterer assigns to a background plane one or more portions of the image data that are not assigned into any foreground plane.
4. The apparatus of claim 1, wherein the blob mapper assigns an identical color index to each of the one or more blobs, if a difference between color properties of the blobs are within a predetermined tolerance.
5. A xerographic marking device incorporating the apparatus of claim 1.
6. A marking device incorporating the apparatus of claim 1.
7. A digital photocopier incorporating the apparatus of claim 1.
8. A method, comprising:
identifying one or more blobs in image data;

assigning a color index to each of one or more blobs based on a color property of each of the blobs; and

assigning the blobs to one or more foreground planes based on the color index of each of the blobs.

9. The method of claim 8, further comprising:

separating blobs having a same color index into one or more proximity groups based on a predetermined blob separation distance, and then assigning each of the proximity groups to a separate foreground plane.

10. The method of claim 8, further comprising:

setting a size of each of the foreground planes based on spatial characteristics of pixels of blobs assigned to each of the foreground planes.

11. The method of claim 8, further comprising:

assigning to a background plane one or more portions of the image data that is not assigned into any foreground plane.

12. The method of claim 8, further comprising:

assigning an identical color index to each of the one or more blobs, if a difference between color properties of the blobs are within a predetermined tolerance.

13. A storage medium storing a set of program instructions executable on a data processing device, the set of program instructions comprising:

instructions for identifying one or more blobs in image data;

instructions for assigning a color index to each of one or more blobs based on a color property of each of the blobs; and

instructions for assigning the blobs to one or more foreground planes based on the color index of each of the blobs.

14. The storage medium of claim 13, further comprising:

instructions for separating blobs having a same color index into one or more proximity groups based on a predetermined blob separation distance, and then assigning each of the proximity groups to a separate foreground plane; and

instructions for setting a size of each of the foreground planes based on spatial characteristics of pixels of blobs assigned to each of the foreground planes.

15. The storage medium of claim 13, further comprising:

instructions for assigning an identical color index to each of the one or more blobs, if a difference between color properties of the blobs are within a predetermined tolerance.

16. The storage medium of claim 13, further comprising:

instructions for assigning to a background plane one or more portions of the image data that is not assigned into any foreground plane.

17. A apparatus, comprising:

means for identifying one or more blobs in image data;

means for assigning a color index to each of one or more blobs based on a color property of each of the blobs; and

means for assigning the blobs to one or more foreground planes based on the color index of each of the blobs.

18. The apparatus of claim 17, further comprising:

means for separating blobs having a same color index into one or more proximity groups based on a predetermined blob separation distance, and then assigning each of the proximity groups to a separate foreground plane; and

means for setting a size of each of the foreground planes based on spatial characteristics of pixels of blobs assigned to each of the foreground planes.

19. The apparatus of claim 17, further comprising:

means for assigning an identical color index to each of the one or more blobs, if a difference between color properties of the blobs are within a predetermined tolerance.

20. The apparatus of claim 17, further comprising:

means for assigning to a background plane one or more portions of the image data that is not assigned into any foreground plane.